Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 28 Dec 2023 until 23:59 on Friday 29 Dec 2023

Forecast Issued on Thursday 28 Dec 2023 at 04:23

Confidence: High confidence for unsettled conditions, lower confidence for detail towards the end of the week.

Headline for Thursday 28 Dec 2023: Upland gales. Heavy, squally showers.

Mountain weather hazards on Thursday 28 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Heavy Rain	Heavy Rain	Light rain	Cloudy	Dull
Precipitation probability					
70%	60%	70%	30%	30%	20%

Forecast for Thursday 28 Dec 2023

Weather: A windy day with passing, squally showers of rain and hail and chance of sleet across highest summits. Showers may be heavy, with a chance of thunder and may merge to longer spells of rain, especially in the late morning and early afternoon. Bright or sunny spells most likely in the later afternoon, with some clear spells through Thursday evening. Feeling colder than recently.

Chance of cloud-free hill tops above 600m: 40%.

Low cloud and visibility: Scattered or broken bases around 500m in showers and any longer spells of rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 28 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	31/38 SW	32/40 SW	36/47 SW	36/47 SW	32/43 SW	32/43 SW	31/42 SW
300	22/29 SW	23/32 SW	27/39 SW	27/39 SW	23/34 SW	24/36 SW	23/34 SW
Valley	12/28 SW	13/29 SW	17/38 SW	18/38 SW	15/34 SW	16/35 SW	16/34 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-3	4/-2	4/-3	5/-2	4/-3	3/-4	2/-5
300	7/2	7/2	7/1	8/2	6/1	6/0	5/-0
Valley	7/4	7/4	7/3	8/4	7/3	6/2	6/1
Freezing Level*	1100m	1200m	1300m	1200m	1100m	900m	900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Conditions will be very hazardous at times, with water courses running higher than normal. Full protection advised.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Thu 28 Dec 2023	19.6mm	23.3mm	30.2mm

Forecast for Friday 29 Dec 2023

Weather: A little less windy during Friday with a few blustery showers, which could be rather heavy with chance of small hail. Showers may merge at times to longer spells of rain in the evening, with sleet increasingly likely towards summits. Some bright or sunny spells across the Park, most likely in the morning and first part of the afternoon. Feeling cold through the day.

Maximum wind: W or SW with gusts reaching around 45-50mph in the morning.

Chance of cloud-free hill tops above 600m: 40%.

Low cloud and visibility: Scattered or broken bases around 500-600m in showers and longer spells of evening rain.

Temperature: **Valleys:** Plus 7 degrees Celsius becoming plus 4 degrees Celsius later.
At 600m: Plus 2 degrees Celsius becoming minus 1 degrees Celsius in the evening.
Freezing level: 700m becoming 500m late in the day.

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